



# INSTALLATION INSTRUCTIONS

## ENGINE SANDWICH ADAPTER KIT

### PART # 15731

Please read these instructions completely before starting the installation.

#### KIT CONTENTS

QTY. DESCRIPTION	QTY. DESCRIPTION
1 Sandwich Adapter	1 3 1/2" O-ring
1 2 3/4" O-ring	2 3/8" NPT x 1/2" Barb Fittings
1 Adapter Plate	1 13/16-16 Sleeve Nut

#### IMPORTANT

The Adapter & O-ring are designed to fit vehicles with a 3 1/2" filter landing. Primarily 1963-2007 GM SB & BB V-8 engines. If used, the factory oil filter will no longer fit. The below chart recommends alternative oil filters for this application.

#### TOOLS NEEDED

Standard Screw Driver or 5/16" Nut Driver	Open End Wrench's 1 1/8" Socket
Dyke Pliers	Teflon Tape
Torque Wrench	

#### IMPORTANT

This kit is designed to fit all vehicles with engine block oil filter landings ranging from 2 3/4" to 3 1/2", which represents 75% of all vehicles. For vehicles with 2 1/2" oil filter landings, please visit [www.derale.com](http://www.derale.com) for alternative Sandwich Adapter Kits.

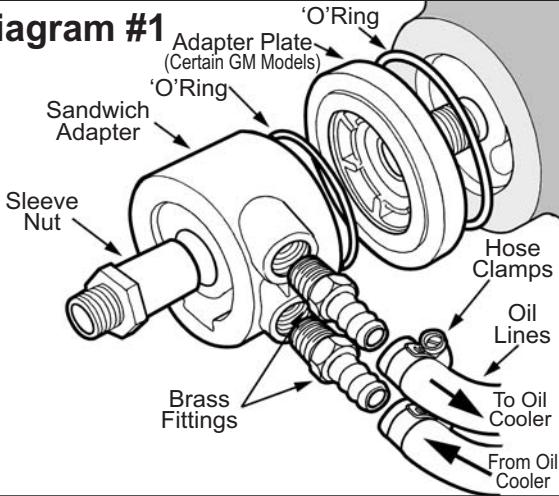
THREAD SIZE	LABEL COLOR	FRAM FILTER HEIGHT	FRAM P/N	WIX FILTER HEIGHT	WIX P/N	FRAM FILTER HEIGHT	FRAM P/N	WIX FILTER HEIGHT	WIX P/N
13/16-16	RED	4.94	PH3429	4.83	51045	3.36	PH3506	3.4	51042

#### VERIFYING SLEEVE NUT THREAD SIZE

Included in this kit should be a sleeve nut with thread specification as indicated by the part number purchased and the product packaging. The thread size can be verified by screwing the male end of the Sleeve Nut into the new or old engine oil filter. If it is incorrect, please contact your dealer.

1. Remove the factory oil filter from the vehicle.
2. Using a rag, clean the oil filter landing on the engine.
3. Take the supplied Sandwich Adapter and Adapter Plate.
4. To determine if your application uses the supplied Adapter Plate, first hold the Adapter Plate up to the oil filter landing on the engine block. The casting needs to seat directly onto the landing without obstruction. If the Adapter Plate is too large, then disregard the Adapter Plate and O-ring.
5. Take the supplied Sandwich Adapter and hold it up the oil filter landing on the engine block. The casting needs to seat directly onto the landing without obstruction. (See Diagram #1)

**Diagram #1**



#### SANDWICH ADAPTER INSTALLATION

1. Take the Sandwich Adapter and two 3/8" NPT x 1/2" Hose Barbs provided, Using Teflon Tape or suitable sealant, install the hose barb fittings onto the Sandwich Adapter.
2. Apply a light coat of oil onto the O-ring(s).
3. Take the O-ring(s) and install onto the Sandwich Adapter and Adapter Plate (If used).
4. Making sure the filter landing is clean from oil and dirt, take the Sleeve Nut, Sandwich Adapter, O-ring(s) and Adapter Plate and install onto the engine sliding the Sleeve Nut thru the Sandwich Adapter. Turn the Sleeve Nut clockwise onto the engines filter nipple. (See Diagram #1)
5. Using a Torque Wrench, torque the Sleeve Nut to 20 ft. Lbs.

#### ROUTING HOSES (HOSE SOLD SEPARATELY)

1. Install both ends of the hose onto the Hose Barb Fittings, forming a loop.
  2. Take the looped end and route the hose to the oil cooler making sure to stay clear of sharp objects, exhaust systems, etc.
- Note:** All bends in hose need to have a minimum radius of 5" or the diameter of a small coffee can.
3. Cut and attach hoses to the oil cooler. Secure hoses using zip ties.

#### VEHICLE TESTING

1. Start the engine and quickly check all connections for leaks.
2. Turn-off the engine and check oil level.
3. Add oil as needed.

**Warning:** Installation of accessories should only be undertaken by those with mechanical knowledge and are familiar with working on vehicles. Always use eye protection (goggles, safety glasses or shield). Park the vehicle in a well lit area, on level ground and apply the parking brake. Only work on a cold vehicle that has been sitting overnight, failure to do so will result in severe burns and injury. Before starting the vehicle, make sure no tools or any other items are left under hood that could interfere with or be drawn into moving parts of the engine. Failure to follow instructions can lead to severe damage and personal injury.